





ISMAT Technical was started in the year 2005 to cater to the demands of the Abu Dhabi market for Rubber and Engineering plastic components, since its inception ISMAT Technical has grown as a very strong supplier to the Oil & Gas, Construction, Marine, and other general-purpose manufacturing industry.

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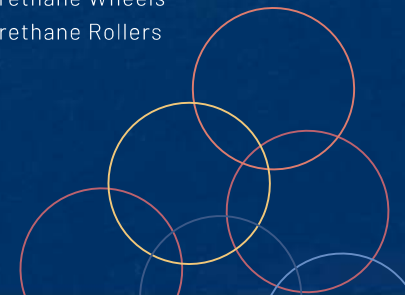


CATALOG
2024



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**ENGINEERING
PLASTICS AND
RUBBER SOLUTIONS,
REDEFINED.**

We are a technical service provider with manufacturing facilities in India and the UAE. Our specialization lies in the Oil and Gas sector, where we provide technical products, solutions, and support. Additionally, we cater to various industries such as Airports, Valves, Construction, Earth-Moving Equipment, and Hydraulics. As part of the ISMAT group of companies, we distinguish ourselves through certifications and a dedicated on-time service approach, focusing exclusively on the UAE market.

SINCE 2005

19+
YEARS IN
BUSINESS

40+
PRODUCT
GROUPS

20+
POLYMERS

4K+
PRODUCTS
DEVELOPED

OUR FOOTPRINT

ISMAT GROUP OF COMPANIES CATER TO A GLOBAL MARKET AND HAVE STATE-OF-THE-ART MANUFACTURING FACILITIES IN BOTH INDIA AND THE UAE.

CHENNAI, INDIA
ISMAT
 High Performance Polymers
 Engineering Plastics
 Custom Design Seals

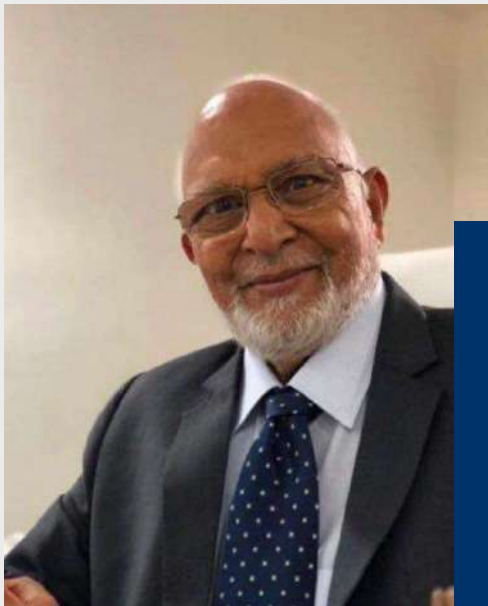
RIYADH, SAUDI ARABIA
ISMAT TRADING COMPANY
 Rubber components
 PU products
 Rubber Rollers

ABU DHABI, UAE
ISMAT TECHNICAL TRADING LLC.
 Rubber components
 PU products
 Rubber Rollers

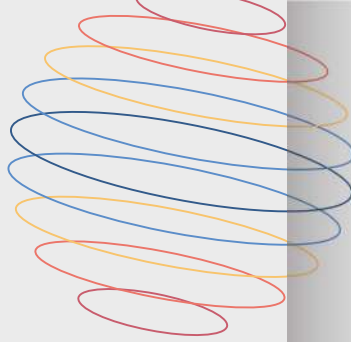
SHARJAH, UAE
ISMAT RUBBER PRODUCTS
 Manufacturers and Suppliers
 of Rubber & Engineering
 components

RAS AL KHAIMAH, UAE
AL KHALEEJ POLYMERS
 Rubber & resilient flooring
 for gyms, schools, sports,
 home, animal, agriculture
 and industries

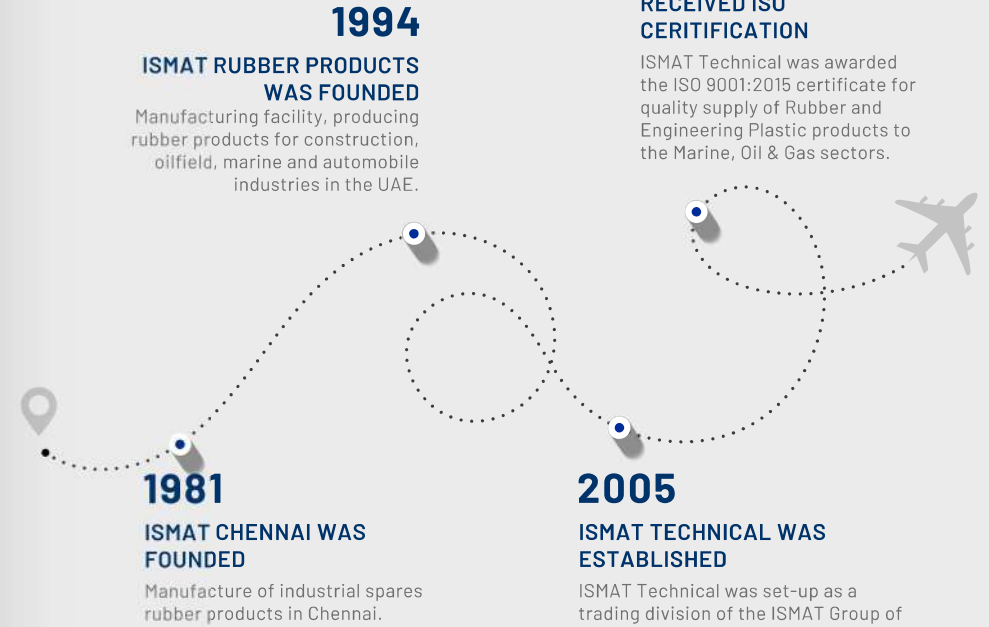
FOUNDER MESSAGE



“
OUR COMMITMENT TO EXCELLENCE STARTS FROM THE GROUND UP. WE SECURE THE HIGHEST QUALITY RAW MATERIALS AND ENSURE STATE-OF-THE-ART MANUFACTURING PRACTICES, TO DELIVER CUTTINGEDGE PRODUCTS IN A TIMELY MANNER AT THE MOST COMPETITIVE PRICE.”
 - ALI HUSSAIN YAKUB



ISMAT CHRONICLE



OUR CERTIFICATIONS

NACE TM0187-2011
Sour fluid immersion

WRAS BS6920-1:2000
Water regulation advisory scheme

NORSOK M-710 EDITION 3 & ISO 23936-2
Rapid gas decompression resistance

NACE TM0192-2012
Evaluating elastomeric material in carbon dioxide decomposition environments

Certificate
 Standard: **ISO 9001:2015**
 Certificate Register No: **01 100 1622566**
 Certificate Holder: **Ismat Technical Trading LLC**
 P.O. Box - 10826, M-9, Mussafah, Abu Dhabi, United Arab Emirates
 Scope: **Supply of Rubbers and Engineering Plastic Products for Marine, Oil and Gas Fields Sectors**
 Validity: **The certificate is valid from 2022-06-08 until 2025-05-03. First certification 2016.**
 2022-06-09

www.ismat.com

06

07



HIGH PERFORMANCE SEALS

SEALING THE FUTURE WITH HIGH-PERFORMANCE PRECISION.

High Performance Seals have to be crafted with extreme precision in order to withstand extreme temperatures, corrosive chemicals or intense pressures and deliver consistent performance.

HIGH PERFORMANCE RUBBER COMPOUNDS

The high performance rubber compounds (including fluoroelastomers, perfluoroelastomers and others) are designed to meet stringent industry needs across different sectors like Oil and Gas, Chemical, Energy, Aerospace and more. Some specially designed elastomers in this range have received industry-leading certifications like Norsok M-710 Edition 3 for Rapid Gas Decompression (RGD), NACE TM0187-2011 for use in sour fluid environments, and others.

Vertex Sealing Solutions

PRODUCTS	MATERIAL	INDUSTRY	PROPERTIES
Vertex A	AFLAS	Oil and Gas	Amine, Base & Steam Resistant
Vertex FC	FKM	Chemical	Resistant to Hydrocarbons, Aromatic hydrocarbons
Vertex F	FFKM		Extreme Temperature Resistance
Vertex H	HNBR	Energy	Suitable for RGD Applications
Vertex AC	ACM	Aerospace	CERTIFICATIONS
Vertex FS	FSL		NORSOK M710 Edition 3 NACE TM 0187 & TM0192

APPLICATION	BRAND
O Rings Back Up Rings U Cup Seals X Rings Lip Seal Wiper Seal Square Rings Packing Elements Custom Molded Compounds Delta Rings	

HIGH PERFORMANCE PLASTIC COMPOUNDS

The high performance plastic compounds have a number of unique properties including nonreactivity, hydrophobicity, a low coefficient of friction, and good insulating properties. PTFE is among the most chemically inert, nontoxic, and nonflammable substances tested under normal usage conditions, and is not metabolized.

Novum Sealing Solutions

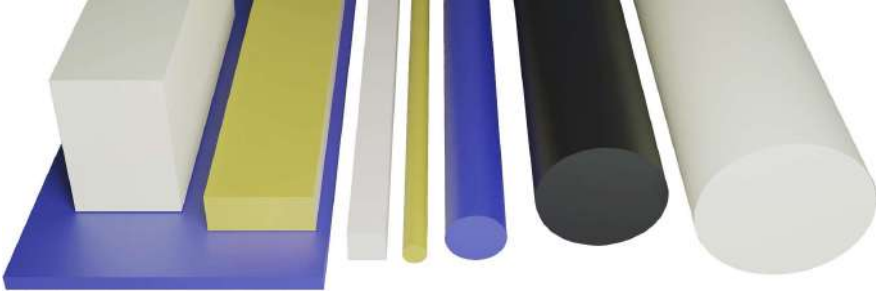
PRODUCTS	MATERIAL	INDUSTRY	PROPERTIES
Novum P	Virgin PTFE	Oil and Gas	Good creep and wear resistance
Novum CF	Carbon filled PTFE		Low deformation under load
Novum M	Modified PTFE	Chemical	Friction resistance
Novum GF	Glass filled PTFE		Suitable for cryogenic applications
Novum GC	Glass + Carbon filled PTFE	Energy	Excellent chemical resistance
Novum PKC	PEEK + PTFE	Aerospace	Excellent compressive strength
Novum PCT	PCTFE		
Novum BF	Bronze filled PTFE		
Novum CN	CuNi PTFE		
Novum MS	15%GF+9.4%CF+0.6%GPH PTFE		
Novum PK	Virgin PEEK		

CERTIFICATIONS

API 6A Sour Fluid Immersion

APPLICATION	BRAND
O Rings Back Up Rings U Cup Seals X Rings Lip Seal Wiper Seal Square Rings Packing Elements Custom Molded Compounds Delta Rings	



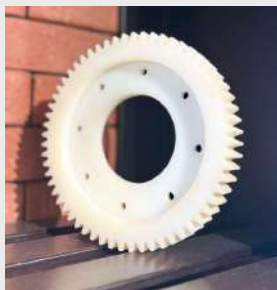


ENGINEERING PLASTICS

Engineering Plastics have very good mechanical and thermal properties. They are the best material to use for abrasion, slide, wear & chemical resistance. Available as Rods and Sheets, these products are used in the Oil & Gas, Chemical, Marine, and Desalination sectors.

PRODUCTS	TYPES	INDUSTRY	PROPERTIES
Polyamide PA	PA 6, PA 66, PA 12, PA 6G, PA 6G + Oil, PA 6G + MOS2	Oil and Gas	Good abrasion resistance
POM		Desalination	Good wear & tear resistance
PET			Good Temperature resistance
PE	HDPE, HMWPE, UHMWPE	Chemical	Slide resistance
PP	PP-H, PP-C, PP-GF		Chemical resistance
PVC		Marine	
PTFE			
PEEK	CA 30, E 30, PTFE 20	Heavy Equipment	
		Food & Beverage	

APPLICATION	BRAND
Gears Wheel Friction Bearings Hydraulic Seals Pump Components	
Conveyor Belts Electronics Water Tanks Sliding Elements Valves	



DEWATERING PUMP SPARES

Dewatering Pumps are used for removing water from the most difficult surfaces. These pumps can be used at construction sites, in tunnels, in mines and also in buildings where excess water may need to be removed to prevent flooding. The dewatering pump spare parts need to be kept on hand to maintain continuous operation and minimise downtime. Some of the common dewatering pump spare parts include: Impellers, Gaskets, Valve seats, Auto-draining Valve Ball etc. Using these spare parts extends the lifespan of their equipment, and ensures efficient water removal in various applications.



ABETMENT RING



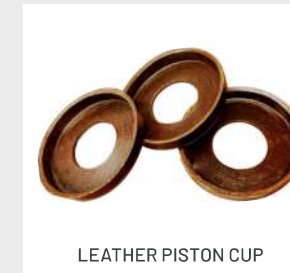
FULCRUM BRACKET



DISCHARGE VALVE SEAT



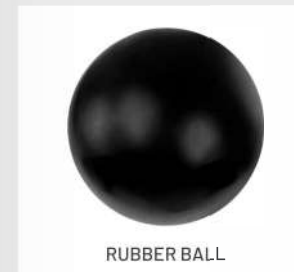
GASKET DISCHARGE VALVE COVER



LEATHER PISTON CUP



IMPELLER



RUBBER BALL



NR VALVE



AUTO DRAIN VALVE BALL (PP BALL)



INLINE OIL FILTER



PULLY WITH TAPPER LOCK



INDUSTRIAL RUBBER PRODUCTS

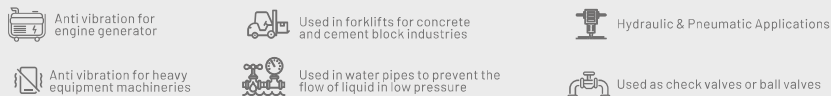
Rubber is an ideal material to use for industrial purposes as it provides excellent abrasion, heat and chemical resistance. It is also water repellent, and as a result is used in the construction of seals. For its anti-abrasion, durability and vibration absorption properties, rubber is moulded and extruded to produce various industrial goods, such as Anti-vibration mounts, Fenders, Bumpers, Pads, Bellows etc.

MOULDING

ISMAT Technical offers a complete line of molded rubber products that have been developed, meeting our customers' unique requirements. Each of our molded products meet the highest quality standards and technical specifications. Our molded rubber products are available in a number of polymers based on application and service demand of each product.

PRODUCTS	TYPES	MATERIAL	INDUSTRY	PROPERTIES
Anti-vibration Mounts	Cylindrical Mounts, Profile Bobbins, Waisted O Mounts, Conical Buffers, Captive Mounts, Machine Mounts, Anti vibration Flanges, Anti vibration Pads, Bushes + Customization is available	NR	Oil & Gas	Absorb Shock Reduce Noise level High abrasion resistance Good tensile strength Corrosion resistance Good electrical insulation Heat Resistance Good weather resistance
		SBR		
		EPDM	Energy	
		Chloroprene	Concrete & Cement Block	
Seals	'O' Rings, 'U' and 'V' Seals, Chevron packings, Quad seals, oil seals, Dowty seals, Cup seals. Available with re-inforced metals and canvas.	Fluoroelastomer	Automobile	
		NBR	Pharmaceutical	
		Silicone	Food	
Grabber Pads	With holes, without holes	Nitrile	Chemical	
Gasket	Fabric reinforced type, Plain type (various shapes available)	Neoprene		
Rubber Balls		Viton		
Bellows	Customizable			
Diaphragm	Customizable			
Grommets	Customizable			

APPLICATION



BELLOWS



GROMMETS



GRABBER PADS



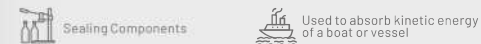
ANTI-VIBRATION MOUNTS

EXTRUSION

Rubber extruded products are widely used across industrial applications. Its resilience, elasticity and flexibility make it an effective choice for applications which involve shock absorption, sealing and fluid transportation.

PRODUCTS	MATERIAL	MATERIAL	INDUSTRY	PROPERTIES
Rubber Profiles	Customizable	NR	Oil & Gas	Oil and Weather resistant Good mechanical properties
Packing	Customizable	Nitrile		
Rubber Cords	Customizable	Neoprene	Ports & Shipping Industry	
Fender	D-D Type, D-O Type, Square, Bar, Cylindrical, Key Hole, M-Type, W-Type	Silicone		
		Viton		
		EPDM		

APPLICATION



BRAND





RUBBER LINING

Rubber lining is an application where a rubber sheet or membrane is used for protection against corrosion where the steel substrate is exposed to water or any corrosive environment. The process can be carried out on the surface or on the inside of metal pipes, tanks, valves, flanges etc.

PRODUCTS	TYPES	INDUSTRY	PROPERTIES
NR	Natural Soft RL	Chemical	Protection against environmental degradation
Synthetic rubber	Hard RL	Mining	Protection against chemicals erosions
EPDM	Synthetic RL	Electrochemical	
Nitrile	Chloroprene RL	Steel	
Chloroprene	Nitrile RL	Fertilizer	
	EPDM RL	Transport	

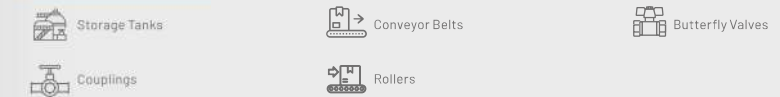
BUILDING PROTECTION SYSTEMS

Exposed areas in parking buildings and docking bays are prone to damage, both to the wall surfaces as well as to the vehicles. Our wide range of building protection systems ensures safety and protection and is an ideal choice when it comes to providing solutions for protecting these areas.

PRODUCTS	MATERIAL	INDUSTRY	PROPERTIES
Speed Bumpers	NR-SBR	Construction	Weather resistant Easy Installation Good impact absorption
Dock Bumpers			
Laminated Dock Bumpers		Infrastructure	
Corner Guards			
Wheel Chocks		Airline	
Wheel Stopper			
Wall Guards			

APPLICATION	BRAND
Protection against damage to the vehicle	

APPLICATION



PLS PROVIDE HIGH RES IMAGE



RUBBER SHEETS

Rubber sheets are very popular and are used extensively for general, industrial and mining applications. They can be used as flooring in shop floors, used for electrical insulation, and as wall protection against corrosive substances.

PRODUCTS	MATERIAL	INDUSTRY	PROPERTIES
Electrical Mats	Natural	Petrochemical	Electrical Insulation
Rubber Sheets	SBR	Automobile Manufacturing	Protection against chemical erosion
Hollow Mats	Nitrile	Food processing	Weather resistant
Coin Mats	Neoprene	Medical Equipment	Flame and Smoke resistant
	EPDM	Marine	Shock absorption
	Viton	Construction	
	Silicon		

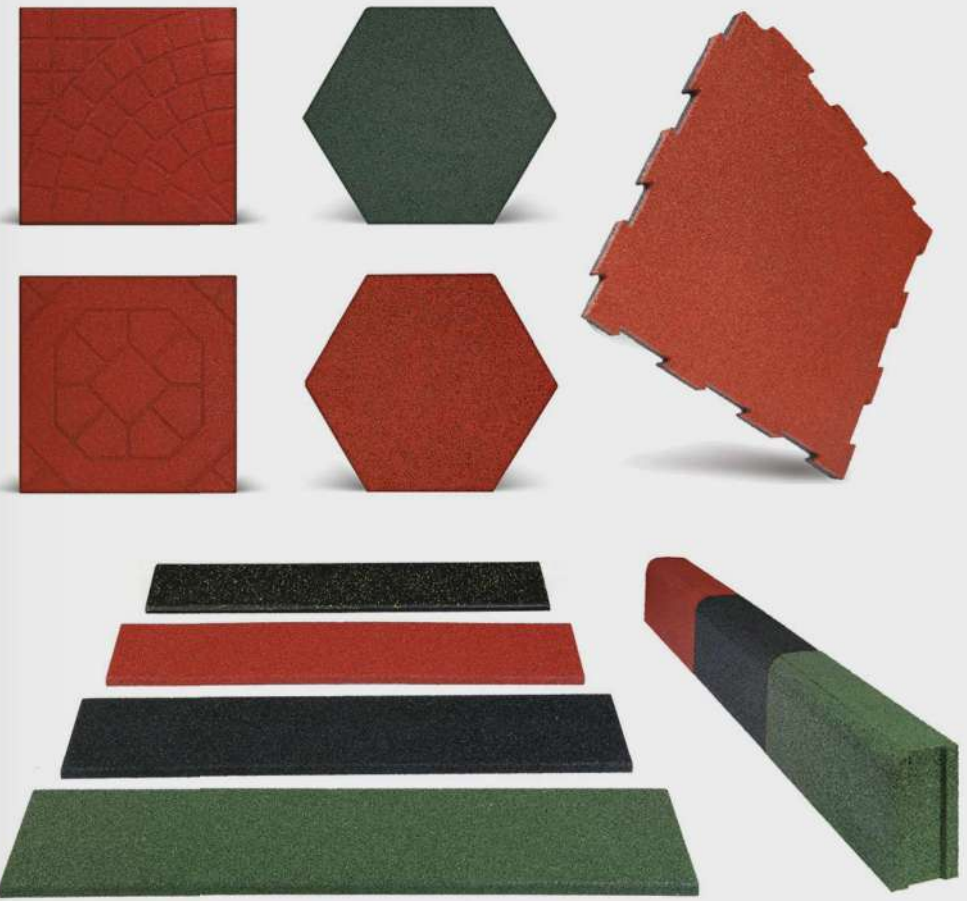
APPLICATION

- Flooring in shop floors
- Wall mounts
- Electrical insulators
- Used to make gaskets

RUBBER TILES

Rubber tiles are highly sought after and find extensive usage across various sectors including general, industrial, and mining applications. Renowned for their versatility, they serve multiple purposes such as flooring in workshops, providing electrical insulation, and acting as protective wall coverings against corrosive substances.

These durable tiles are favored for their adaptability and resilience, making them suitable for diverse environments. Whether it's in factories, warehouses, or commercial spaces, rubber tiles offer exceptional performance and longevity. With their ability to withstand heavy foot traffic and resist impacts, they ensure safety and longevity in areas prone to wear and tear.





POLYURETHANE

Polyurethane is a versatile engineering material, with higher oil & solvent resistance, along with greater abrasion, wear & tear resistance. ISMAT Technical supplies Cast Polyurethane products that perform 4x better than rubber, in abrasive applications.

POLYURETHANE WHEELS

Polyurethane Wheels have excellent mechanical and chemical properties. They provide abrasion, wear and hydrolysis resistance. These wheels are also resistant to UV, and come in a wide range of hardness. These wheels have higher load bearing capabilities compared to plastic or rubber.

TYPES	MATERIAL	INDUSTRY	PROPERTIES
Drive Wheel	MDI	Material Handling	Excellent tear, cut & impact resistance High Abrasion resistance High load bearing capabilities Wide working temperature range Good UV & Hydrolytic stability
Guide Wheel	PDI	Transport & Logistics	
Load Bearing Wheel	PPDI	Elevators & Escalators	
Conveyor Wheel		Airports	
		Industrial Wheels	

APPLICATION	BRAND
Material Handling Sliding doors Elevators & Escalators	
Conveyor Belts Forklift trucks Production lines	

POLYURETHANE ROLLERS

Industrial PU Rollers are used in the publishing and printing industry. They are more durable, sturdy and long lasting. They are used for drying, annealing, embossing, packaging and bulk material handling

TYPES	INDUSTRY	PROPERTIES	GROOVING TYPES
Ink Roller	Printing	High co-efficient of friction Scratch resistance Flexible High shock absorption	Vertical
Laminating Roller	Packaging		Horizontal
Guide Roller	Paper Mill		Helical
Drive Roller	Food Processing		Double helical
Grooved Roller	Metal Coating		Worm
Urethane Roller	Offshore Marine		Diamond cut
			Screw-thread
			BRAND
			ROBUSTHANE

